Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Monday 15 Feb 2021 until 23:59 on Tuesday 16 Feb 2021

Forecast Issued on Sunday 14 Feb 2021 at 13:11

Confidence: High for relatively mild and showery, but lowering confidence in the timing and extent of the worst of the conditions from Wednesday onwards.

Headline for Monday 15 Feb 2021: Rain showers. Limited brighter spells for afternoon. Strong summit winds.

Mountain weather hazards on Monday 15 Feb 2021

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Light rain	Light rain	Light rain	Cloudy	Cloudy	Light rain showers	Light rain showers	Partly cloudy (night)
Precipitation probability							
30%	30%	30%	20%	20%	30%	30%	10%

Forecast for Monday 15 Feb 2021

Weather: An overcast start to the day with some patchy light rain, mainly across western ranges of the Park. Some limited brighter spells appearing during the afternoon, while scattered rain showers feed from the west.

Chance of cloud free mountain/hill tops above 800m: 10% improving 50% for the afternoon

Visibility: By day generally good becoming moderate in early patchy rain and then showers and poor in cloud with bases extensive from 450-650m at first, before lifting and breaking somewhat for the afternoon.

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Mountain Weather Forecast

Forecast for Monday 15 Feb 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	31/38 S	28/35 S	28/35 S	29/36 S	32/41 S	32/41 SW	30/39 S	29/38 S	38/51 S
600	29/40 S	26/36 S	24/34 S	25/35 S	26/37 S	28/39 SW	27/38 SW	25/37 S	32/46 S
300	9/27 S	8/25 S	7/23 S	7/22 S	9/26 S	12/30 SW	11/29 S	10/29 S	15/37 S
Valley	7/22 S	7/21 S	6/21 S	6/20 S	9/24 S	13/27 SW	11/25 S	11/25 S	14/31 SE

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	3/-4	2/-4	3/-4	2/-4	2/-5	3/-4	4/-3	3/-3	2/-5
600	4/-2	4/-2	4/-2	4/-2	4/-2	5/-1	5/-1	5/-1	4/-2
300	4/1	5/2	5/2	5/3	6/3	6/3	6/3	6/3	6/2
Valley	6/4	6/4	6/4	6/4	8/5	8/5	7/4	8/5	8/4
Freezing Level*	1300m	1200m	1200m	1300m	1400m	1400m	1400m	1400m	1400m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Nothing to add

Forecast for Tuesday 16 Feb 2021

Weather: Sunshine and isolated light rain showers, though chance of more widespread heavy outbreaks for a time around dawn. Severe windchill at height initially.

Maximum wind: South or southwest mean 40-45mph with gusts reaching 70mph at times across most exposed ridges and summits, gradually easing from mid-morning.

Chance of cloud free mountain/hill tops above 800m: 60%

Visibility: Generally good or very good becoming briefly moderate in showers and poor in cloud with bases lowering 450-650m in and about showers.

Temperature: **Valleys:** Plus 3 Celsius rising 11 Celsius during the afternoon
At 800m: Plus 1-3 Celsius
Freezing level: Above summits

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Sunday 14 February 2021. Location: Nethermost Pike summit at 10:55. Full report: We are continuing to run the service for people exercising locally and to assist local mountain rescue teams to make informed decisions in the event that their services are required. The high fells are in full winter condition and careful planning and preparation is required for anyone venturing above the snowline. A marked change in the weather today as frontal systems out to the west push into the cold air that we have experienced during the last week. Upland gales and freezing rain made for very challenging conditions today. Terrain remains widely frozen from the valleys upward with only a slight thaw at low to mid-elevations. Ice is present on paths from low levels upwards, particularly around any drainage lines. Above 400m, freezing rain was covering most surfaces in a thin film of verglas. Progress above this altitude would have been very difficult without microspikes and walking poles today. Crampons and an ice axe are essential for anyone venturing onto steep terrain. Please note that in the current conditions, a slip in the wrong place (even on moderately steep ground) could result in a long and damaging fall. On the western side of Helvellyn, the snowline starts at roughly 600-700m with continuous cover up to summit level. Most of the snow is either old exposed neve (refrozen snow) or scoured with a breakable crust overlying sugary snow. Potentially unstable windslab was seen developing on north-northwest facing slopes yesterday and is likely to be present at the top of gullies, scarp slopes, and on ridge flanks with similar aspects. Most of the paths and other terrain and water features above the snowline are buried under snow and can't be relied upon to find your way if visibility deteriorates. Whiteout conditions are not unlikely. A map and compass and good mountain navigation skills will be essential in such conditions in the coming days. Steep and exposed routes such as Swirral and Striding edge should only be attempted by those with sufficient winter mountaineering experience and appropriate equipment. Small cornices are present around corrie rims and will become unstable in the milder temperatures that are forecast in the coming week. Extreme care should be taken in areas in close proximity to the corrie rims which might not be visible in cloudy conditions. Full winter clothing (waterproofs, extra warm layers, hat and gloves), mountain boots, and additional equipment including a headtorch and survival bag are all essential for anyone going into the higher fells. Goggles are also recommended for navigating in windy conditions. Please be conservative with your plans and aware of your limits. Temperature: minus 1.6 C, Maximum wind speed 40.6 mph, Wind chill: minus 11.6 C, Average wind speed: 16.5 mph
Issued at: 1311 on Sun 14 Feb 2021

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